

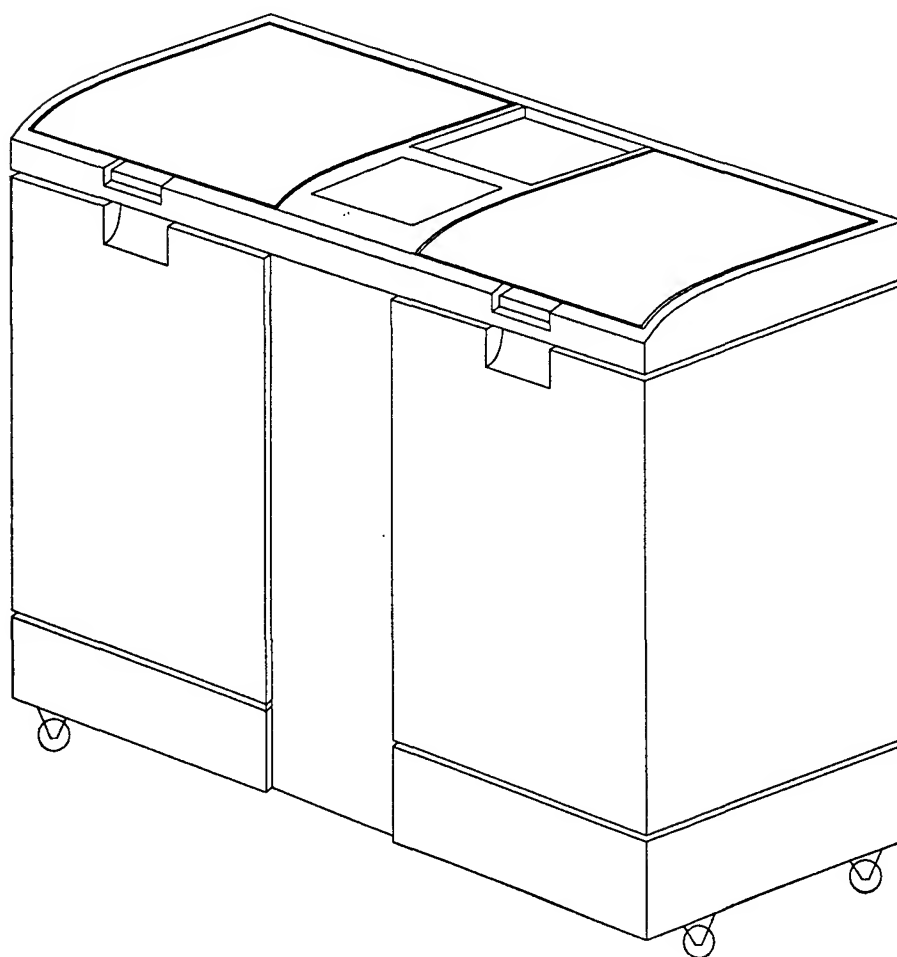


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03/96

# INSTALLATION INSTRUCTIONS

for the

## KODAK AUTOMIXER II Plus



**PLEASE NOTE**

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PACKING LIST	QUANTITY
1. BASIC UNIT AUTOMIXER II Plus	1
2. FUSE HOLDER with VOLTAGE SELECTOR for 6.3X32mm FUSES	1
3. FUSE 5X20mm T2.5A (European Standard)	1
4. FUSE 6.3X32mm 1.25A slow blow (US Standard)	1
5. FUSE 6.3X32mm 2.5A slow blow (US Standard)	1

<b>NOTE</b>
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**POWER CORD** (see page 4-2)

**BASIN INSTALLATION KIT** (see page 1-5)

and installation material for water supply and processor connection (hoses and clamps) has to be ordered separately.

**For US applications a THREAD ADAPTER (3/4" NH including GASKET) Cat-No. 717 4543 is needed to fit the local water supply and has to be ordered separately.**



## 1. UNPACKING

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1. Remove the STRAPS and the EDGE-PROTECTIONS from the CASE.

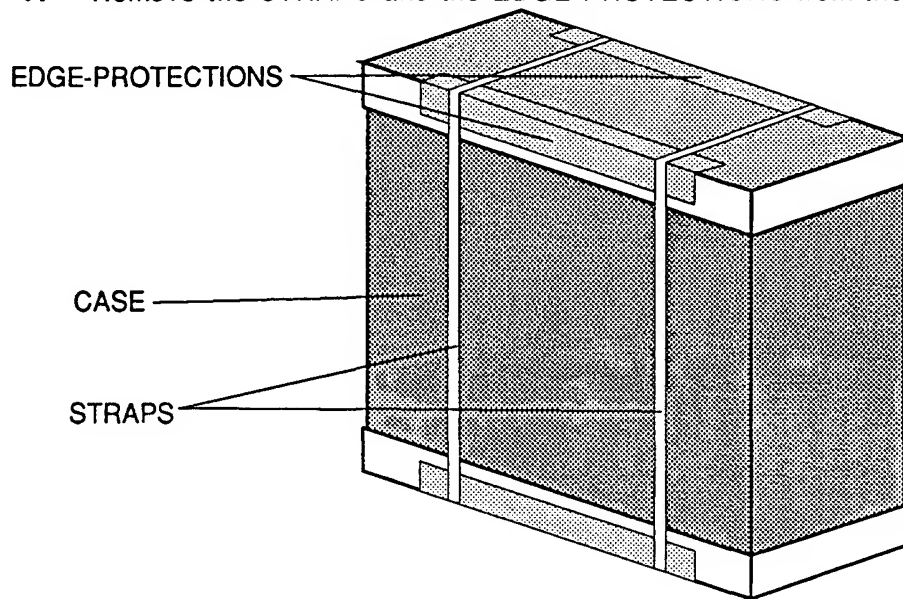


figure 1-1

- 
2. Remove the LID.

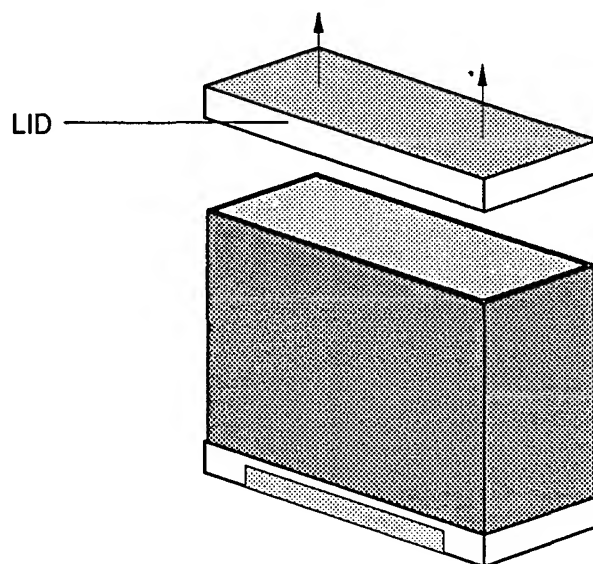


figure 1-2

3. Remove the 4 EDGE PROTECTIONS and the CARD BOARD.

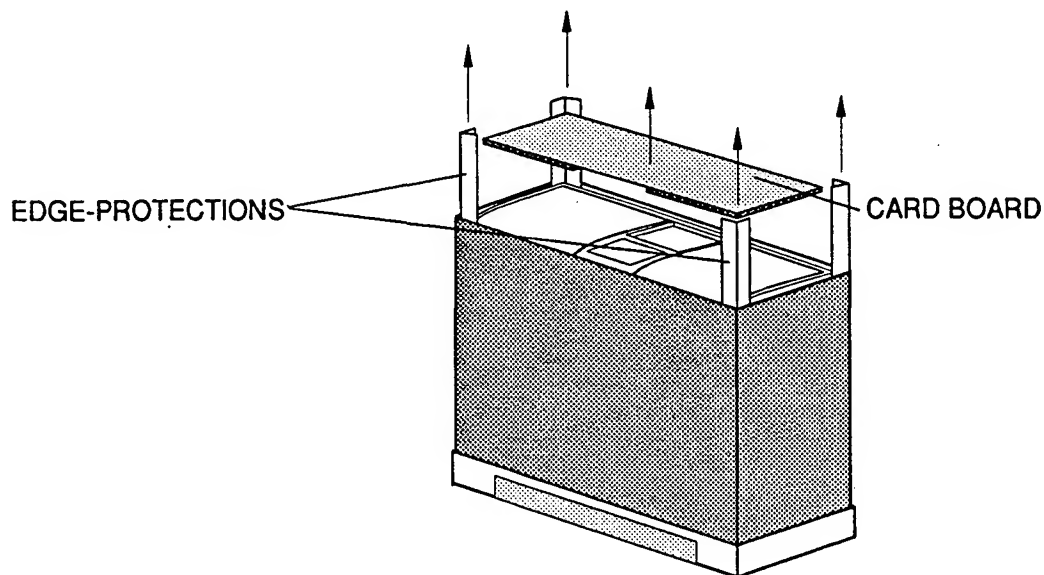


figure 1-3

4. Lift and remove the CASE.

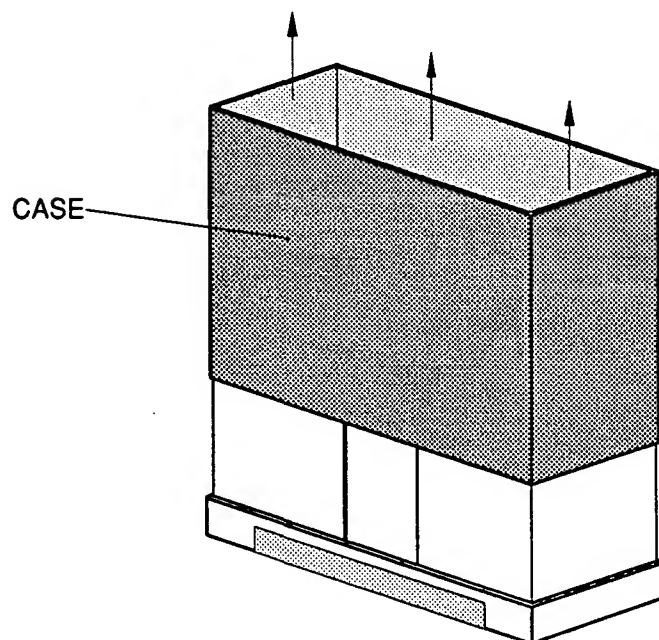


figure 1-4

**CAUTION**

**Automixer damage! Be carefull when moving the Automixer.**

5. Lift and remove the Automixer from the BASE.
6. Check the Automixer for visible damages.

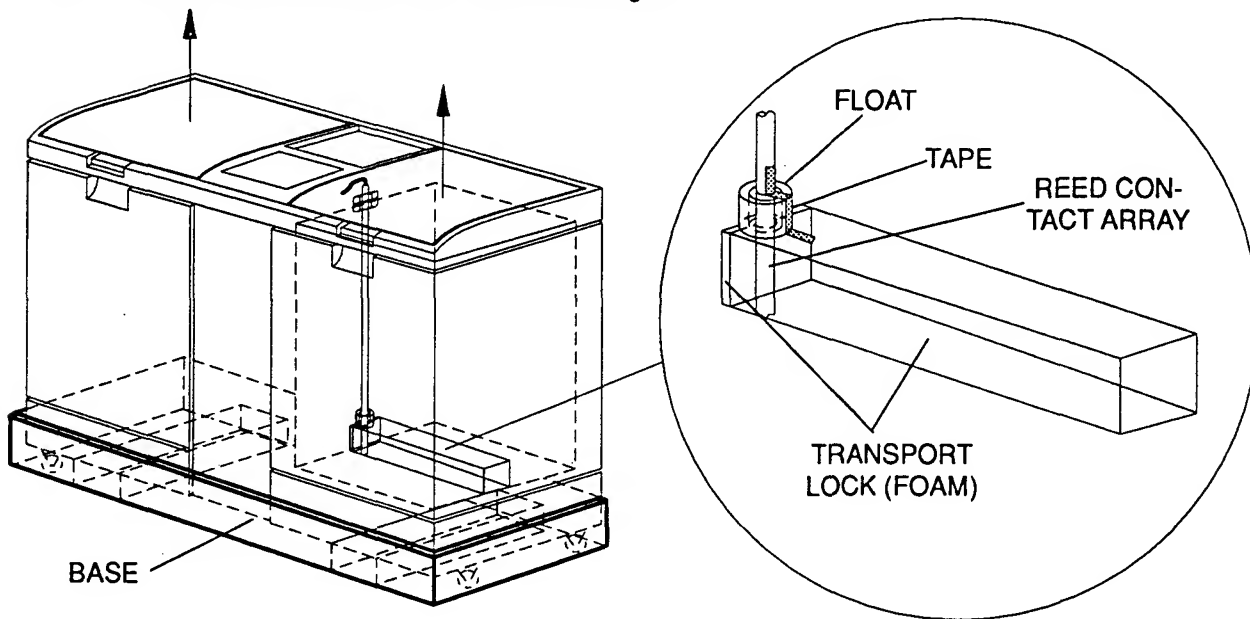


figure 1-5

7. Before you come to the next step remove the TRANSPORT LOCKS from both TANKS.

**CAUTION**

**FLOAT damage! Avoid that the FLOAT drops down into the empty tank.**

8. BASIN ASSYS are packed as shown in figure 1-6.

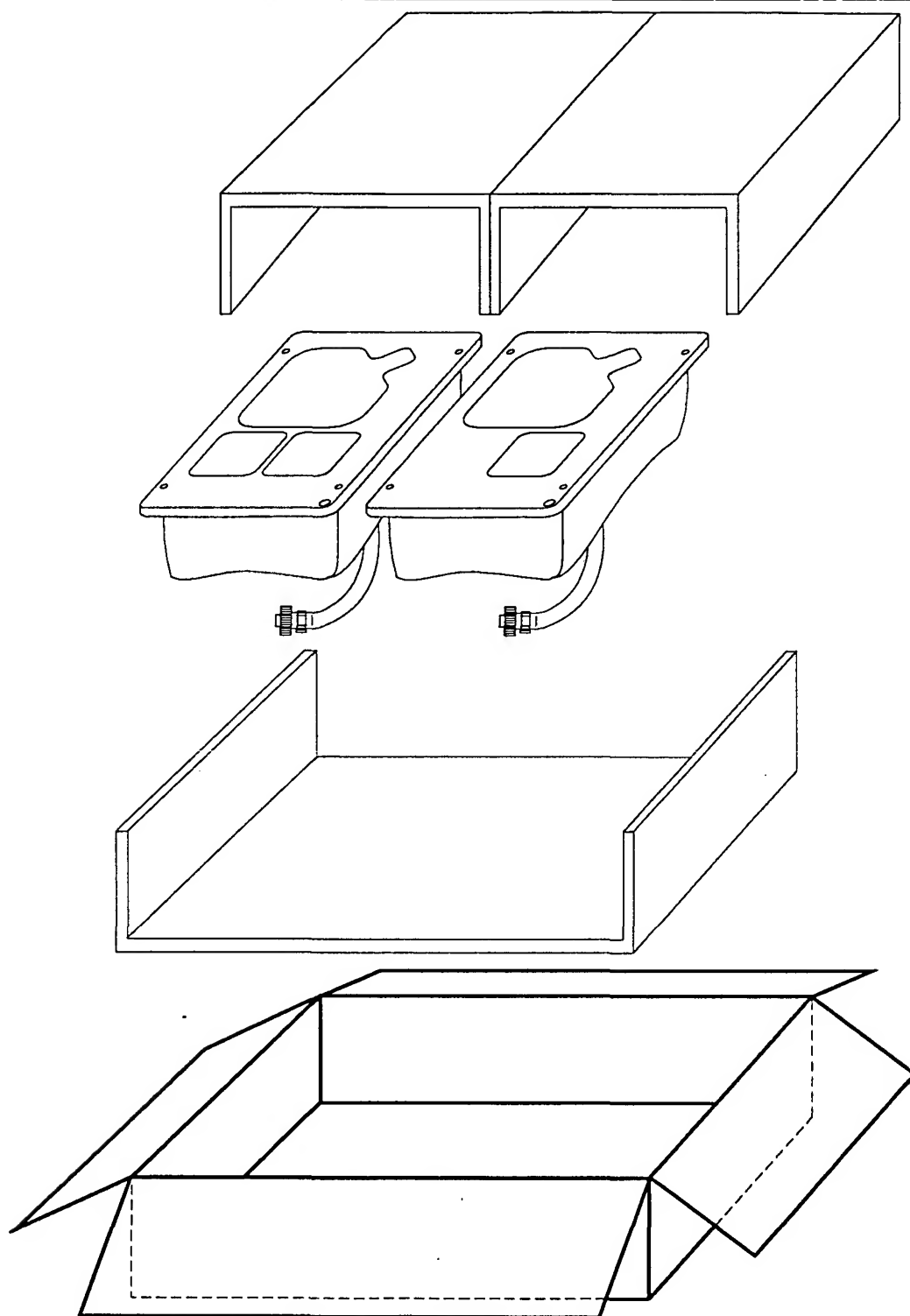
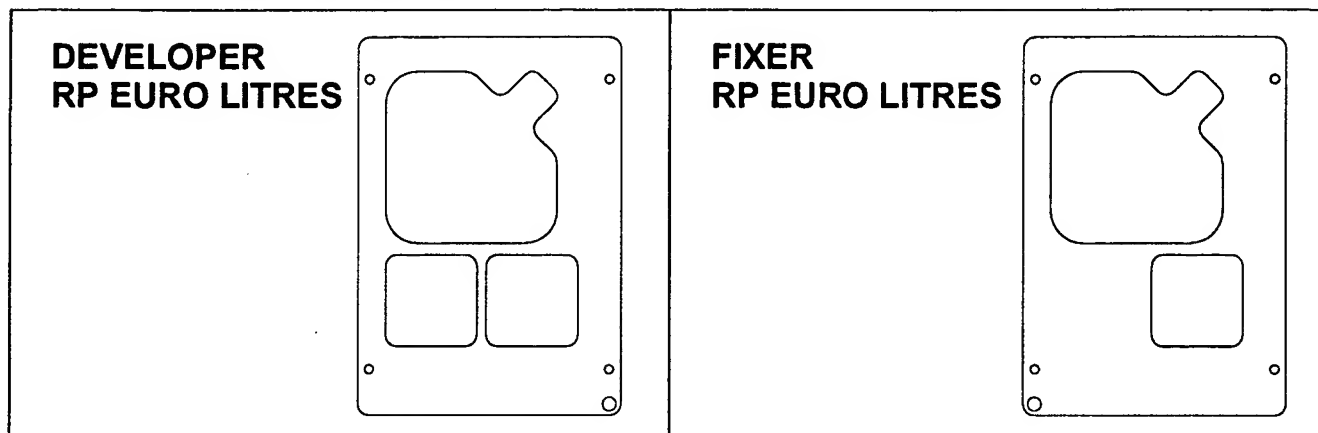


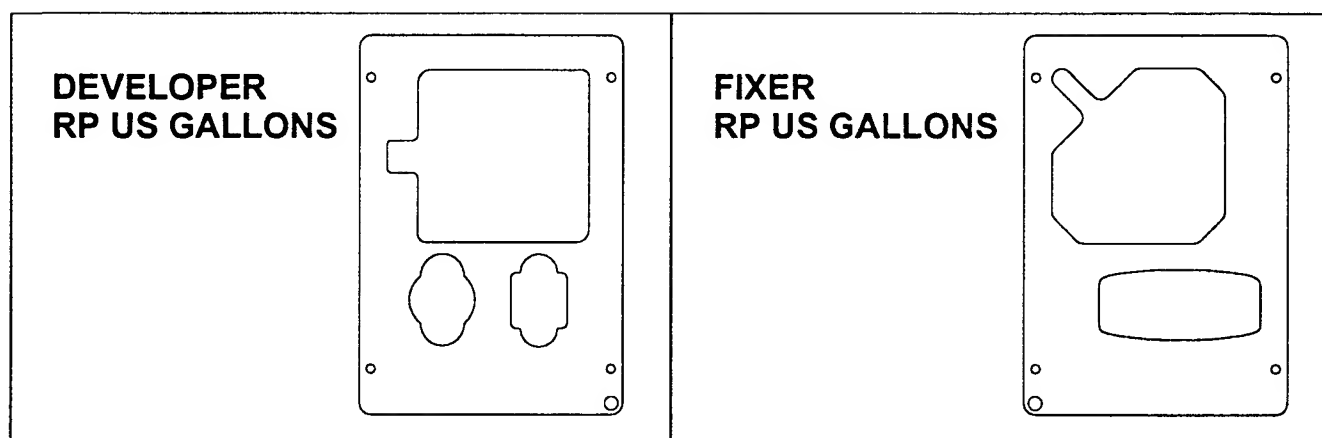
figure 1-6



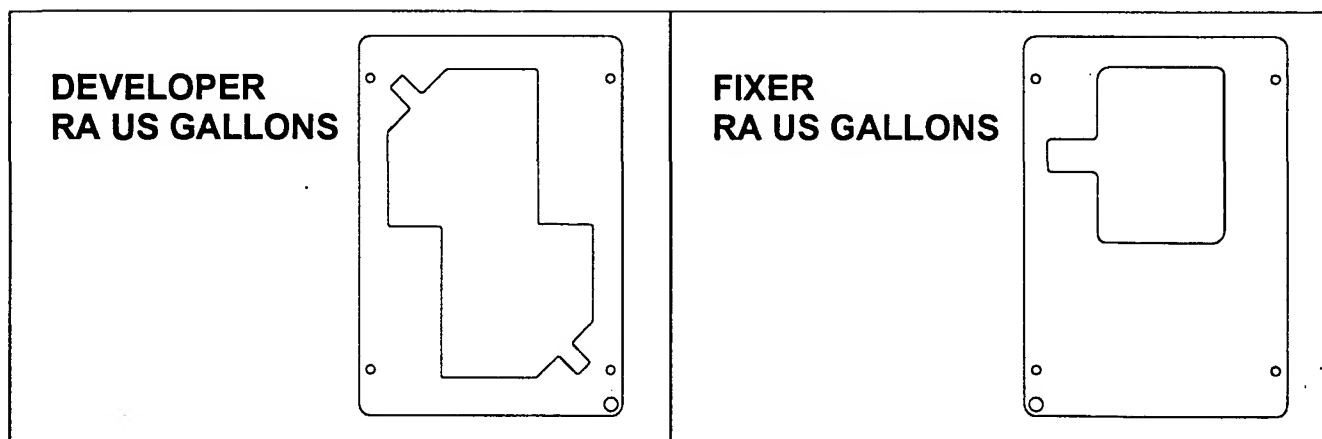
9. To use the AUTOMIXER II Plus an Installation Kit is necessary. There are 3 different Kits available.



RP KIT (EURO Litre)

**CAT 715 7068**

RP KIT (US Gallons)

**CAT 715 7076**

RA KIT (US Gallons)

**CAT 716 0609**

**NOTE**

The AUTOMIXER II Plus GISD version CAT ??? ???? has to be used with GISD chemistry. In this case the basin templates shown in figure 1-7 are included.

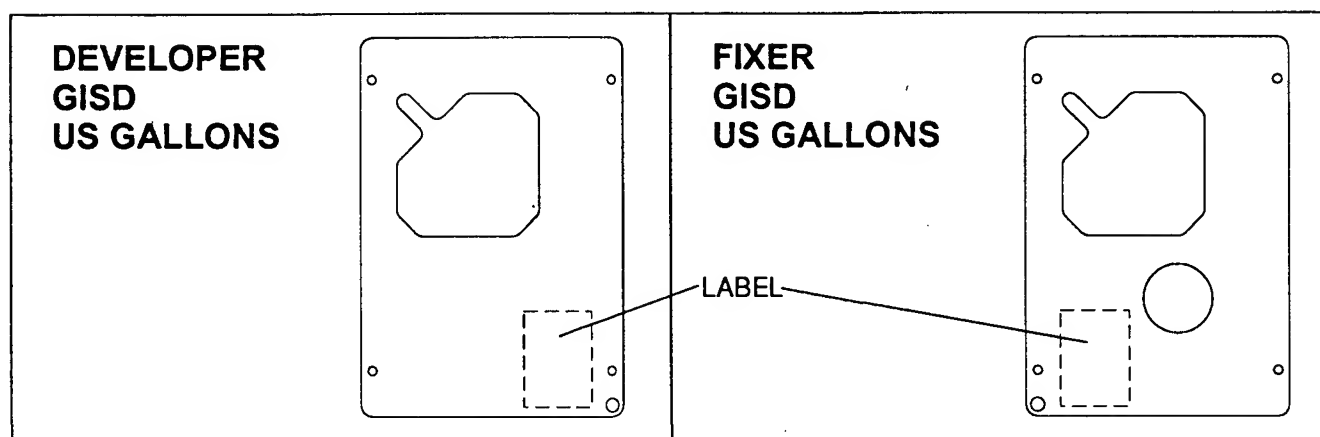


figure 1-7

## 2. LEVELING

1. Setup the AUTOMIXER II Plus in the area where it is to be installed.
2. Level the AUTOMIXER II Plus by adjusting the CASTERS. Use a SPIRIT LEVEL.

### CAUTION

**Chemical spills! All CASTERS must touch the floor.**

3. Actuate the two LOCKING CASTERS to make the position of the Automixer stable.

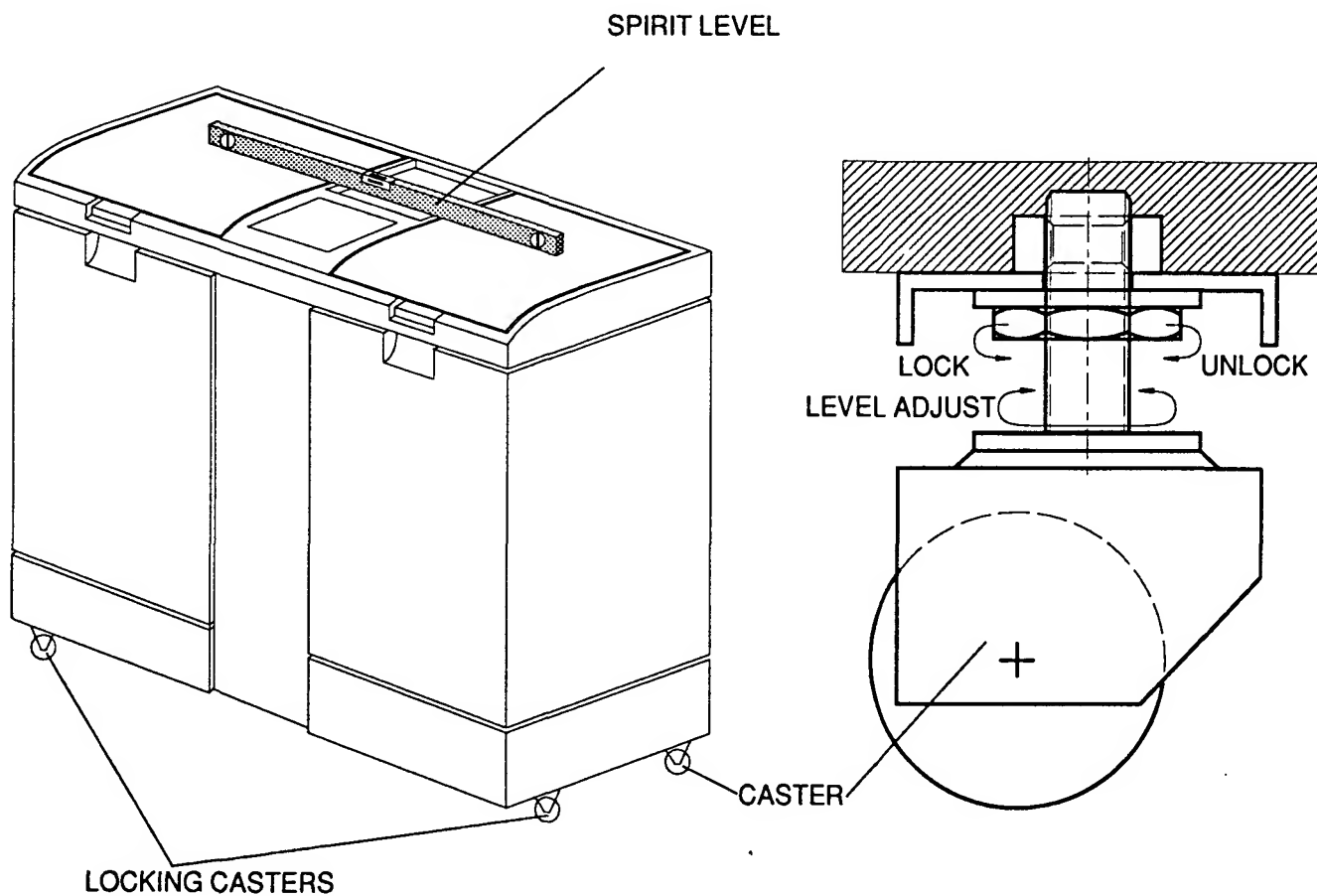


figure 2-1



### 3. CONNECTING THE PLUMBING

1. The WATER VALVE has a G 3/4" male thread (DIN ISO 228 part1 same as on the AUTOMIXER II) with 14 threads per inch. The type of hose needed for the water supply depends on the local codes. In this case the connection has to be made by a authorized person. Please insure that these standards are met.
2. Connect the DRAIN OUTLET according to your LOCAL WASTE WATER REGULATIONS. Use a 20 mm (3/4") internal diameter TUBE. Fasten the TUBE with a HOSE CLAMP.

**NOTE**

In some countries it is not allowed to connect this drain outlet to the waste water drain!

3. Connect the DEVELOPER and FIXER REPLENISHER OUTLETS. Use a 12 mm (1/2") internal diameter TUBE. Fasten the TUBE with a HOSE CLAMP.

- B** Fixer Replenisher Outlet  
**C** Overflow Outlet  
**D** Water Inlet G 3/4" Male Thread  
**E** Developer Replenisher Outlet

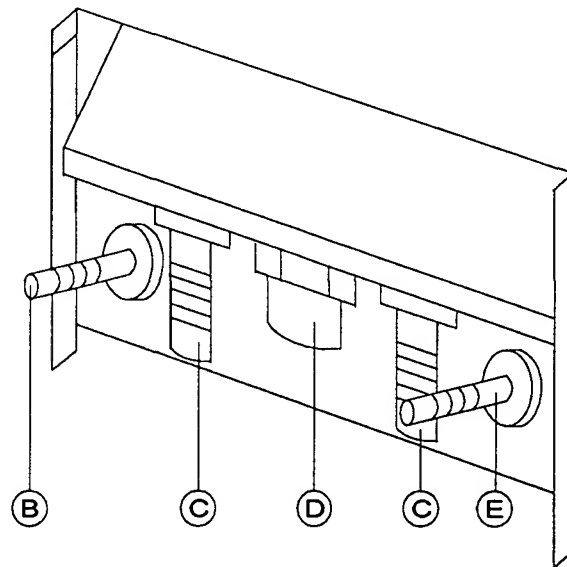


figure 3-1

**NOTE**

Water temperature must be 5 - 32C (41 - 89F).

Water pressure must be 1 - 6 bar (15 - 87 psi).

The TUBES and HOSE CLAMPS and ADAPTORS are not delivered  
with the AUTOMIXER II Plus !



#### 4. CONNECTING THE POWER

1. Measure the AC voltage at the site. Use a small screwdriver to open the FUSE HOLDER on the AUTOMIXER II Plus. Turn the VOLTAGE SELECTOR to the correct position before you power up the AUTOMIXER II Plus. Proceed to CHAPTER 5, CLEANING WITH WATER.

#### CAUTION

##### **AUTOMIXER II Plus damage!**

For power lines specified with 240V AC output the VOLTAGE SELECTOR has to be set in the 230V AC position. The selected voltage is visible in the window of the FUSE HOLDER (in the drawing the 230V AC factory setting is shown).

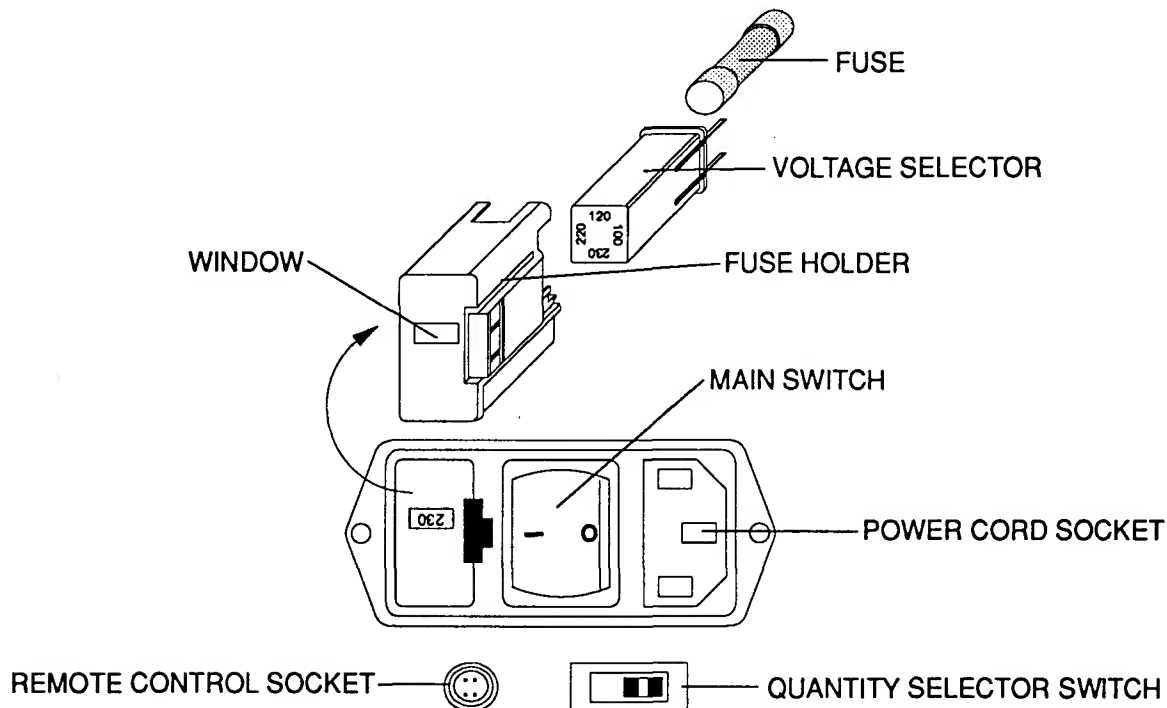


figure 4-1

#### NOTE

With the DIP - SWITCH on the PCB Driver of the AUTOMIXER II Plus select RP or RA Chemistry (see chapter 6 figure 2).

The volume of the BUZZER and the brightness of the LED's on the OPERATOR'S DISPLAY are adjustable. The BUZZER is factory set to medium volume and the LED's are set to bright (see SERVICE MANUAL disassembly and wiring diagram DISPLAY BOARD PCB A3).

## 2. Fuse in the IEC connector.

LINE VOLTAGE	EUROPE	USA / CANADA	OTHER COUNTRIES
100 V	---	---	T 2.5A (IEC)
120 V	---	T 2.5A (SLOW BLOW)	---
220 V	T 1.25A (IEC)	---	T 1.25A (IEC)
230 V	T 1.25A (IEC) factory setting	---	T 1.25A (IEC)
240 V	T 1.25A (IEC)	T 1.25A (SLOW BLOW)	T 1.25A (IEC)

## 3. Power Cords

POWER CORD	PART NO.	CAT
EUROPE (STANDARD)	927 1211	717 1564
SWITZERLAND	927 1221	717 1572
FRANCE NF C-321	927 1231	717 1580
UK	927 1241	717 1598
AUSTRALIA	927 1251	717 1606
USA, CANADA, MEXICO	927 1261	717 1622



## 5. CLEANING WITH WATER

### NOTE

The AUTOMIXER II Plus should be cleaned with water during installation and at every preventive maintenance.

1. Remove the FRONT PANEL by pulling the bottom edge out.

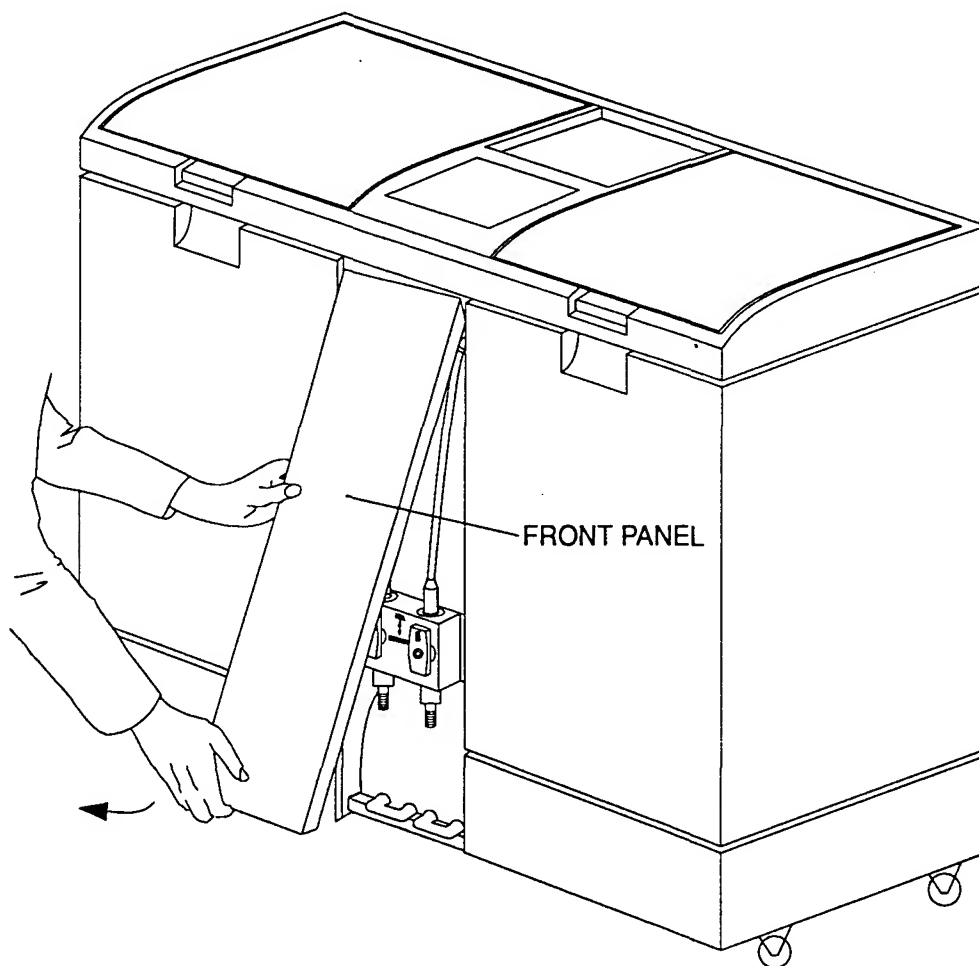


figure 5-1

### NOTE

If the FRONT PANEL is removed, the MANUAL MODE is selected automatically.

**2.** Switch on the AUTOMIXER II Plus by pressing the MAIN SWITCH at the rear side of the AUTOMIXER II Plus (figure 4-1). Check the following:

- The POWER-ON Indicator (C) is energized.
- DEVELOPER and FIXER LOW LEVEL WARNING LIGHTS (A,D) are energized.
- Alarm energizes intermittently.

**A** Developer Low Level Warning Light

**B** Overflow Warning Light

**C** Power-On Indicator

**D** Fixer Low Level Warning Light

**E** Bottle Rinse Indicator - Developer

**F** Bottle Rinse Indicator - Fixer

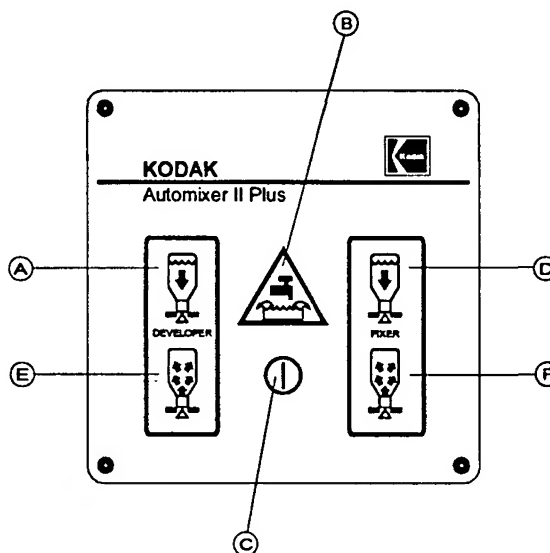


figure 5-2

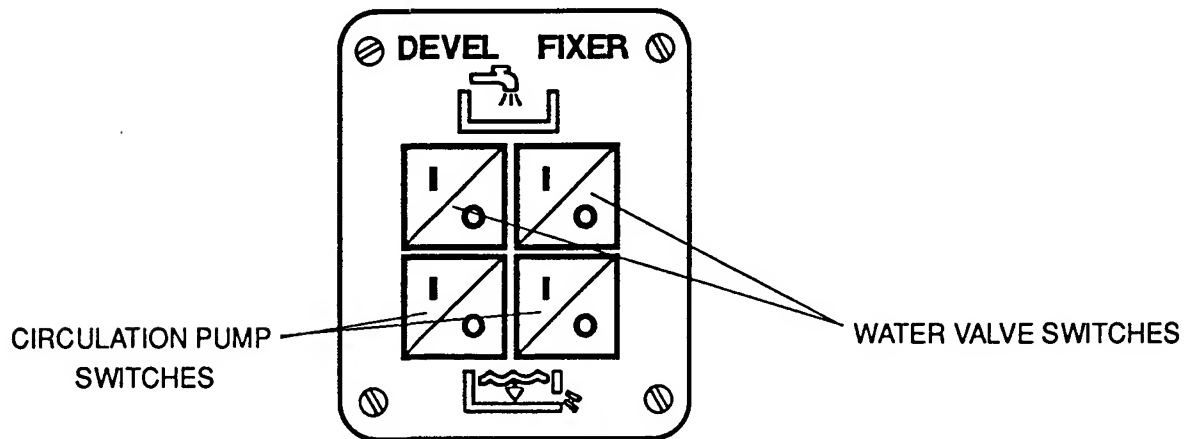
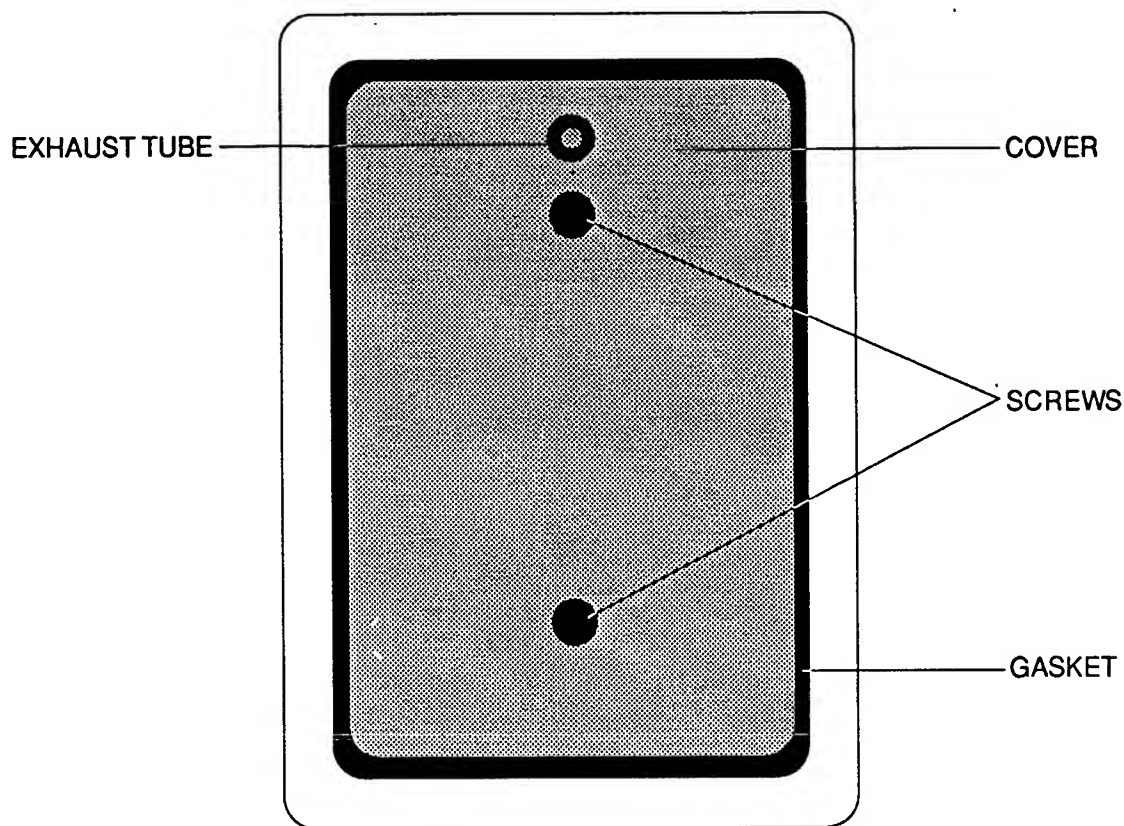


figure 5-3

3. Press the WATER VALVE SWITCHES. Water enters the tanks. The water stops when the quantity (depending on the setting of the QUANTITY SELECTOR SWITCH figure 4-1 20L / 5 Gallons 40L / 10 Gallons) is reached. It is not necessary to wait until the selected level is reached. You can stop the water flow at any time.
4. Install a hose 12 mm (1/2") diameter from the MIXING / DRAIN OUTLET VALVE to the sewage drain. Turn the lever to the drain position. Push the CIRCULATION PUMP SWITCH (figure 5-3) for either the DEVELOPER or FIXER side. If it is necessary repeat step 2 - 4.
5. Set the valve levers into the MIXING position.

- 6.** To clean the HOLDING TANKS loosen the two SCREWS of the COVERS. Remove the COVERS and the GASKETS and clean the HOLDING TANKS.



**NOTE**

**Before you fill the Automixer with chemicals make sure that the MIXING and the HOLDING TANKS are empty. Take care that the GASKETS and COVERS are correctly installed. Check the TUBING for leakage!**

## 6. FILLING WITH CHEMICALS

- PRIMING 20L (5 US GALLONS RP)
- PRIMING 40L (10 US GALLONS RP)
- PRIMING 5 US GALLONS RA
- PRIMING 10 US GALLONS RA

1. Remove the FRONT PANEL of the AUTOMIXER II Plus (figure 5-1).
2. Check that both MANUAL VALVES (figure 6-5) are in the MIXING POSITION. Remove the DISPLAY by loosening the 4 SCREWS to gain access to the DIP SWITCHES.

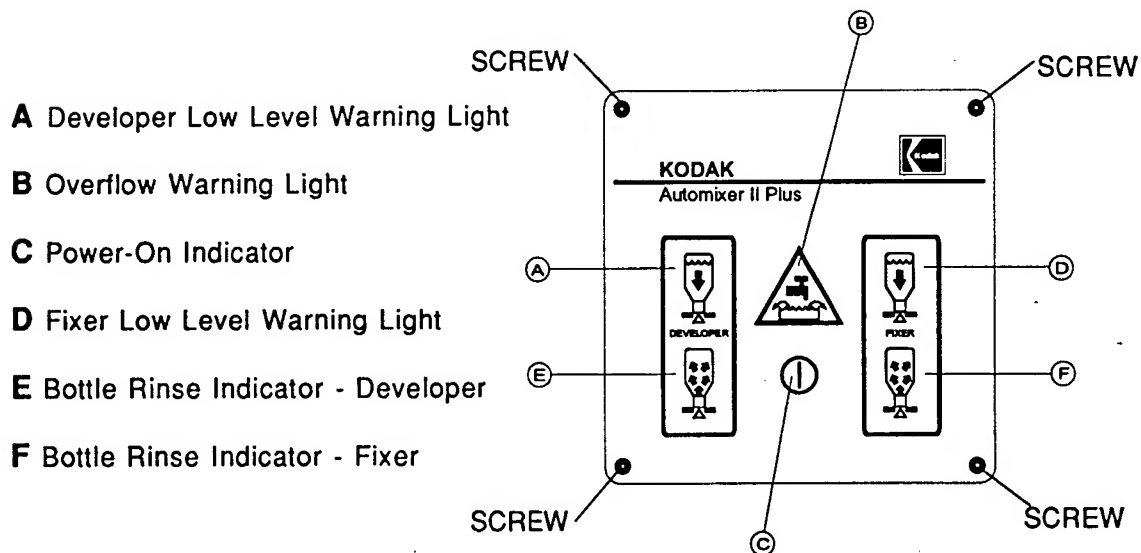
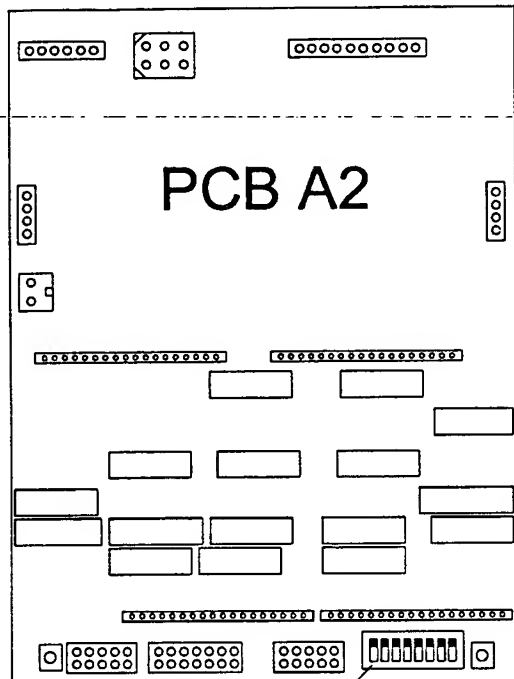


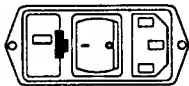
figure 6-1



3. Set the DIP SWITCHES and the QUANTITY SELECTOR SWITCH to the position which is needed for the selected solution Quantity as shown in figure 6-2 to insure a correctly mixed chemistry.

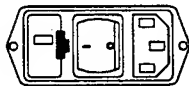
DIP SWITCH No.

- 1 = DEVELOPER
- 2 = DEVELOPER
- 3 = DEVELOPER
- 4 = FIXER
- 5 = FIXER
- 6 = FIXER
- 7 = ON position, no beep by changing the status to the automatic mode.  
OFF position, beep by changing the status to the automatic mode.
- 8 = not used



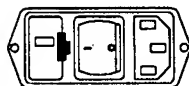
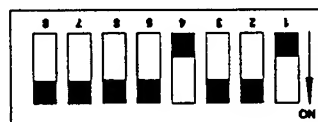
20L/40L  
Quantity Selector Switch  
(5/10 gallons)

- PRIMING 20 LITRE RP



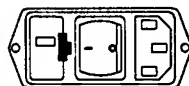
20L/40L  
Quantity Selector Switch  
(5/10 gallons)

- PRIMING 40 LITRE RP



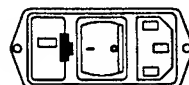
20L/40L  
Quantity Selector Switch  
(5/10 gallons)

- PRIMING 5 US GALLONS RP



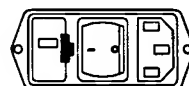
20L/40L  
Quantity Selector Switch  
(5/10 gallons)

- PRIMING 10 US GALLONS RP



20L/40L  
Quantity Selector Switch  
(5/10 gallons)

- PRIMING 5 US GALLONS RA



20L/40L  
Quantity Selector Switch  
(5/10 gallons)

- PRIMING 10 US GALLONS RA

figure 6-2

4. Switch on the AUTOMIXER II Plus by pressing the MAIN SWITCH at the rear side (figure 6-3) to the on position. Keep either the WATER VALVE SWITCH, the FIXER VALVE SWITCH or both together pressed for approx. 3 seconds to start the PRIMING.

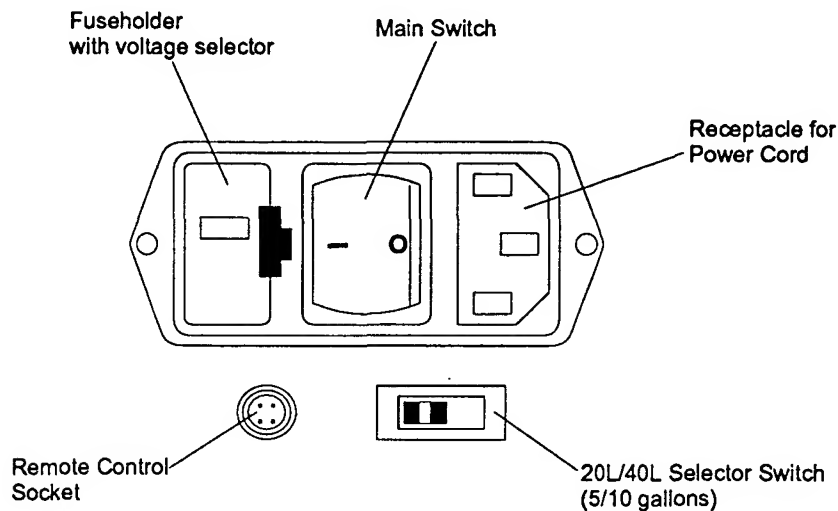


figure 6-3

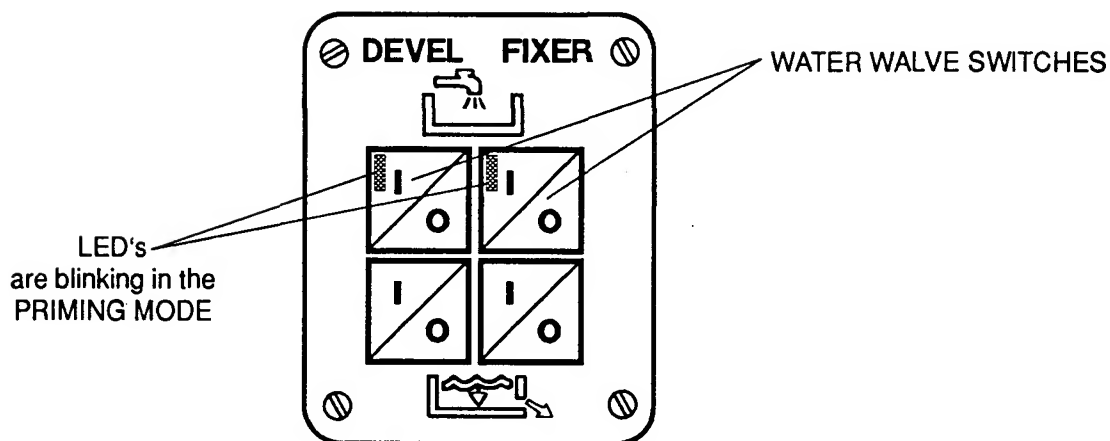


figure 6-4

5. Close the FRONT PANEL. Water enters the activated TANKS (either the DEVELOPER MIXING TANK, the FIXER MIXING TANK or both MIXING TANKS) until the low level of liquid (3.0L water) is reached in each TANK.

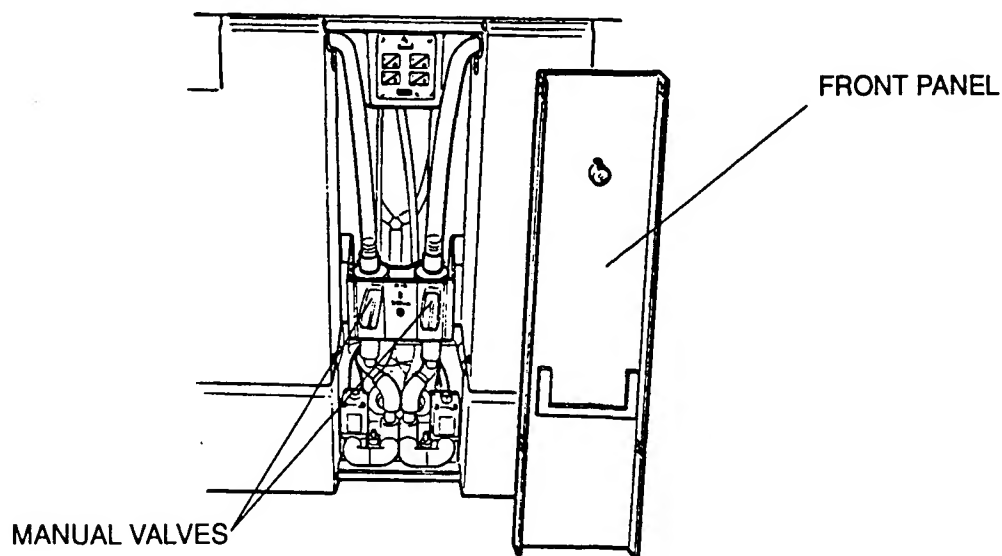


figure 6-5

6. Install the DEVELOPER and FIXER BASIN ASSY and connect the RINSE HOSE of the BASINS by turning the SCREW-CAPS clockwise on to the RINSE THREADS of the AUTOMIXER II Plus.

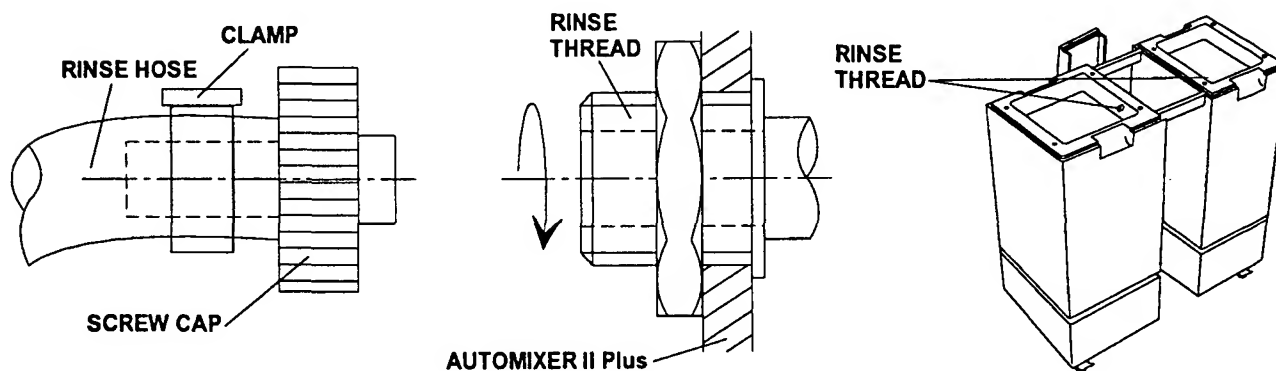


figure 6-6



**CAUTION****Chemical spills!**

7. Remove only the BOTTLE CAPS from the BOTTLES. The foil seals are opened automatically by the PIERCERS in the BASINS ASSYS of the AUTOMIXER II Plus.

**NOTE**

The color of the BOTTLE CAPS is equal to the color of the TEMPLATES delivered with the BASIN ASSYS.

8. Press CHEMICAL BOTTLES only into the appropriate apertures of the TEMPLATES (figure 6-7 European Version is shown).

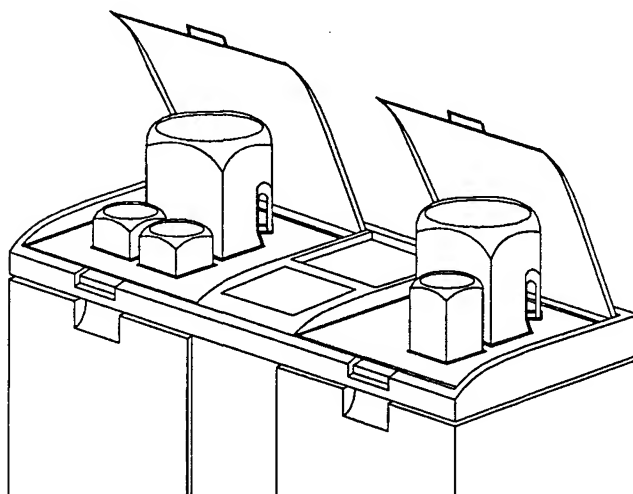


figure 6-7

- 9.** After a few seconds the RINSE LED'S E and F (figure 6-1) starts blinking.

<b>CAUTION</b>
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**Do not remove the bottles from the AUTOMIXER II Plus until the end of the RINSE procedure is reached and the rinsing has stopped !!! (For detailed information see chapter 2 in the AUTOMIXER II Plus Operators Manual).**

- 10.** If there are some chemistry spots on the thread of the bottles clean it with a cloth.
- 11.** The Priming procedure for 5 gallons/20 litre is now finished.
- 12.** In case the selection of the volume setting is made for 10 gallons/20 litre, the Refill LED's will indicate that a second chemistry set has to be inserted.
- 13.** If the refill procedure has finished the Refill LED's are switched off and the water flow will be started until the selected volume is reached.
- 14.** The CIRCULATION PUMPS are be activated to mix the solution for 10 minutes (see figure 6-8).
- 15.** The TRANSFER VALVES open and the solution is ready for use (see figure 6-9).

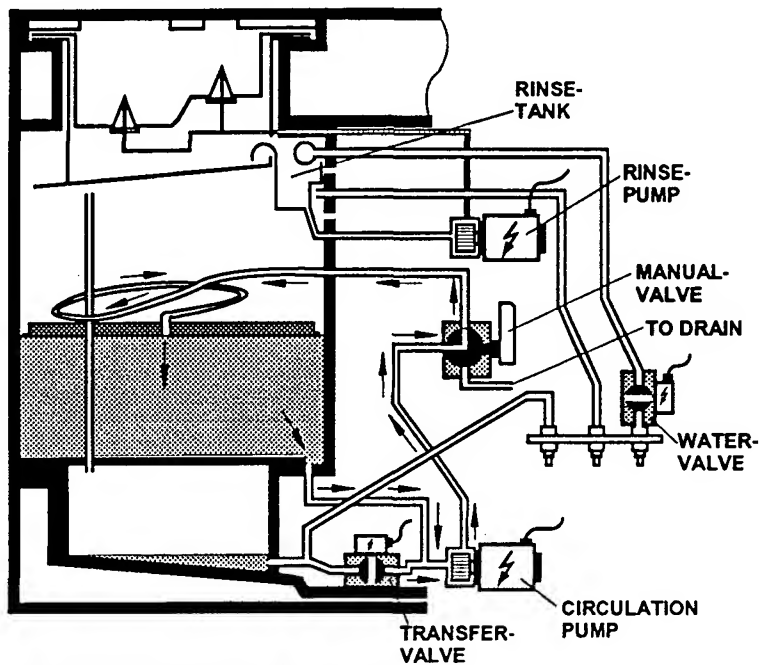
**MIXING:**

figure 6-8

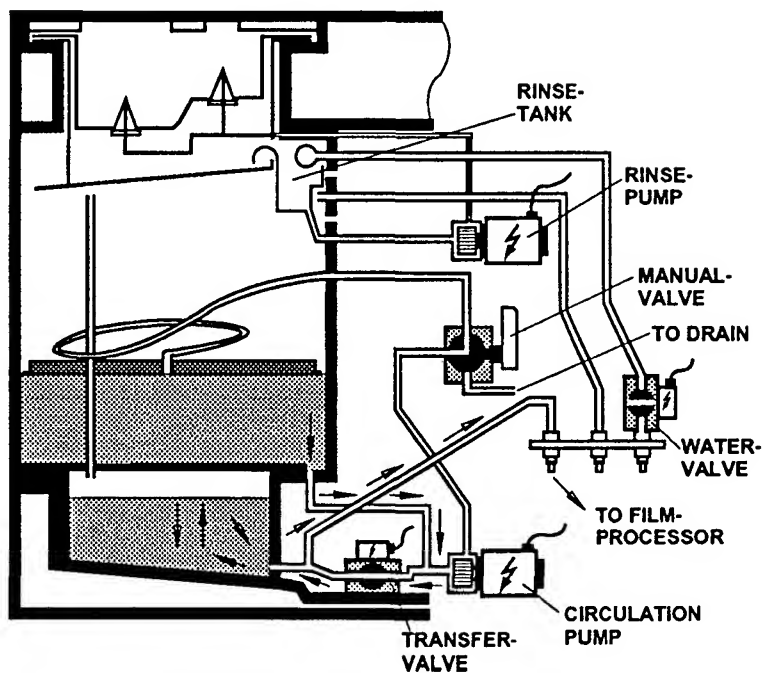
**READY FOR USE:**

figure 6-9



**CUSTOMER EQUIPMENT SERVICES KODAK AG STUTTGART GERMANY**